Fig. 1

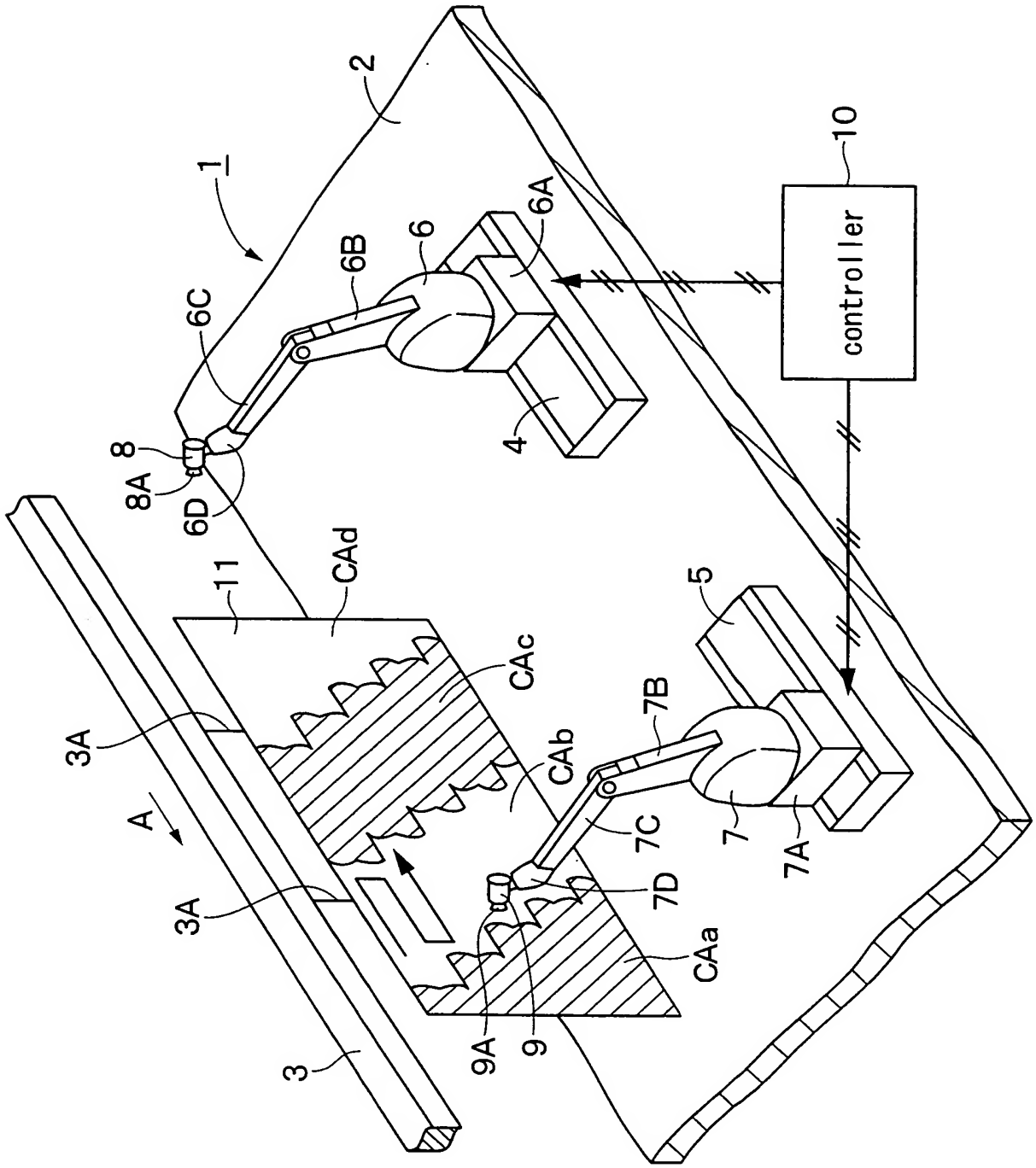

2
1
10
controller
6A
6
6B
6C
8
8A
6D
4
11
CAd
5
CAc
3A
7B
CAb
A
7C
7
7A
3A
7D
CAa
9A
9
3

Fig.2

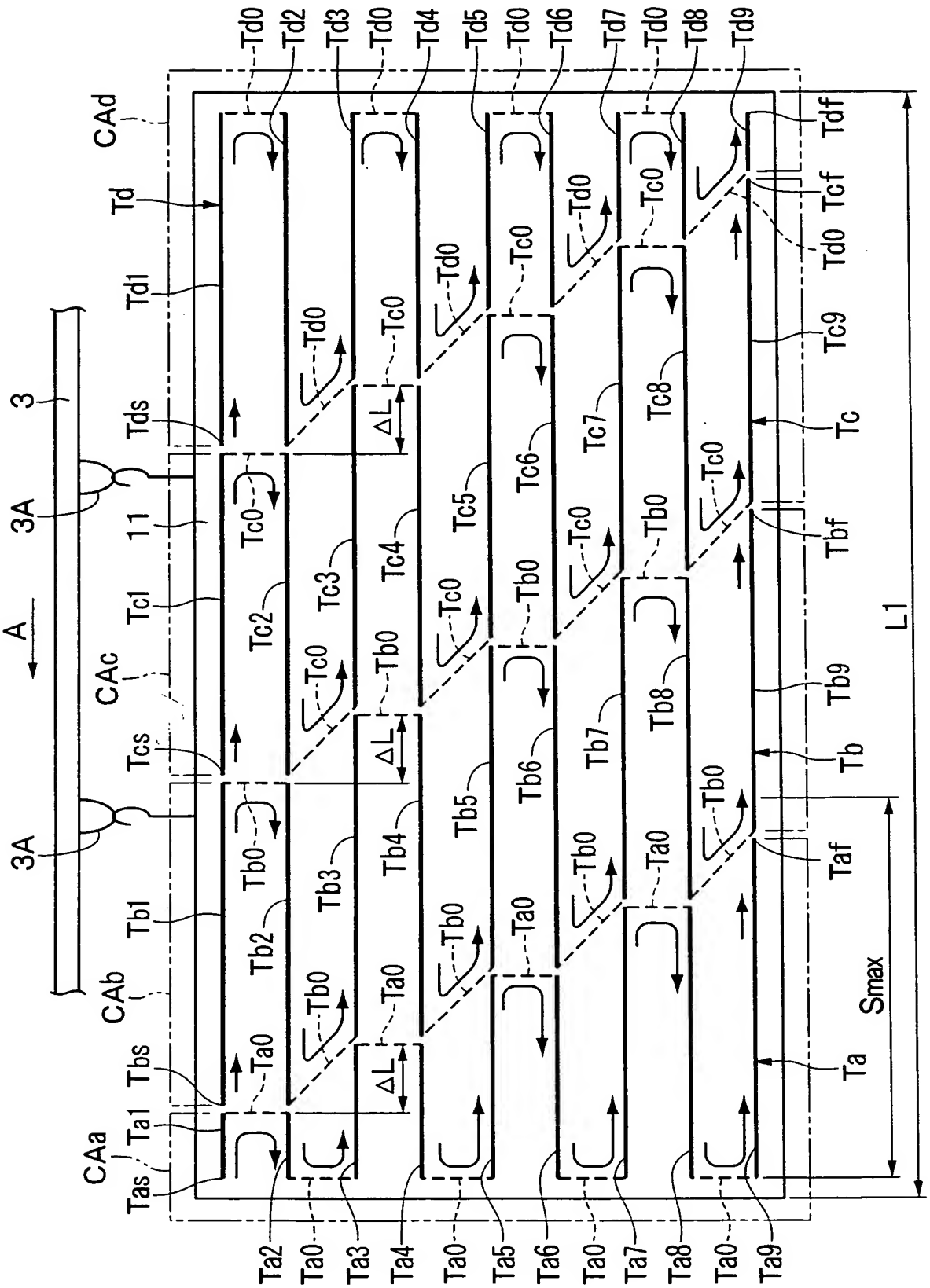

Td0
Td2
Td3
Td0
Td4
Td5
Td0
Td6
Td7
Td0
Td8
Td9
CAd
Td
Td1
Tds
Tdf
Tcf
Tc9
Tc
Tc8
Tc7
Tc6
Tc5
Tc4
Tc3
Tc2
Tc1
Tcs
CAc
Tbf
Tb9
Tb
Tb8
Tb7
Tb6
Tb5
Tb4
Tb3
Tb2
Tb1
Tbs
CAb
Taf
Ta
Ta1
Tas
CAa
Ta2
Ta3
Ta4
Ta5
Ta6
Ta7
Ta8
Ta9
Tc0
Td0
Tb0
Ta0
ΔL
Smax
L1
3
3A
11
A

Fig.3

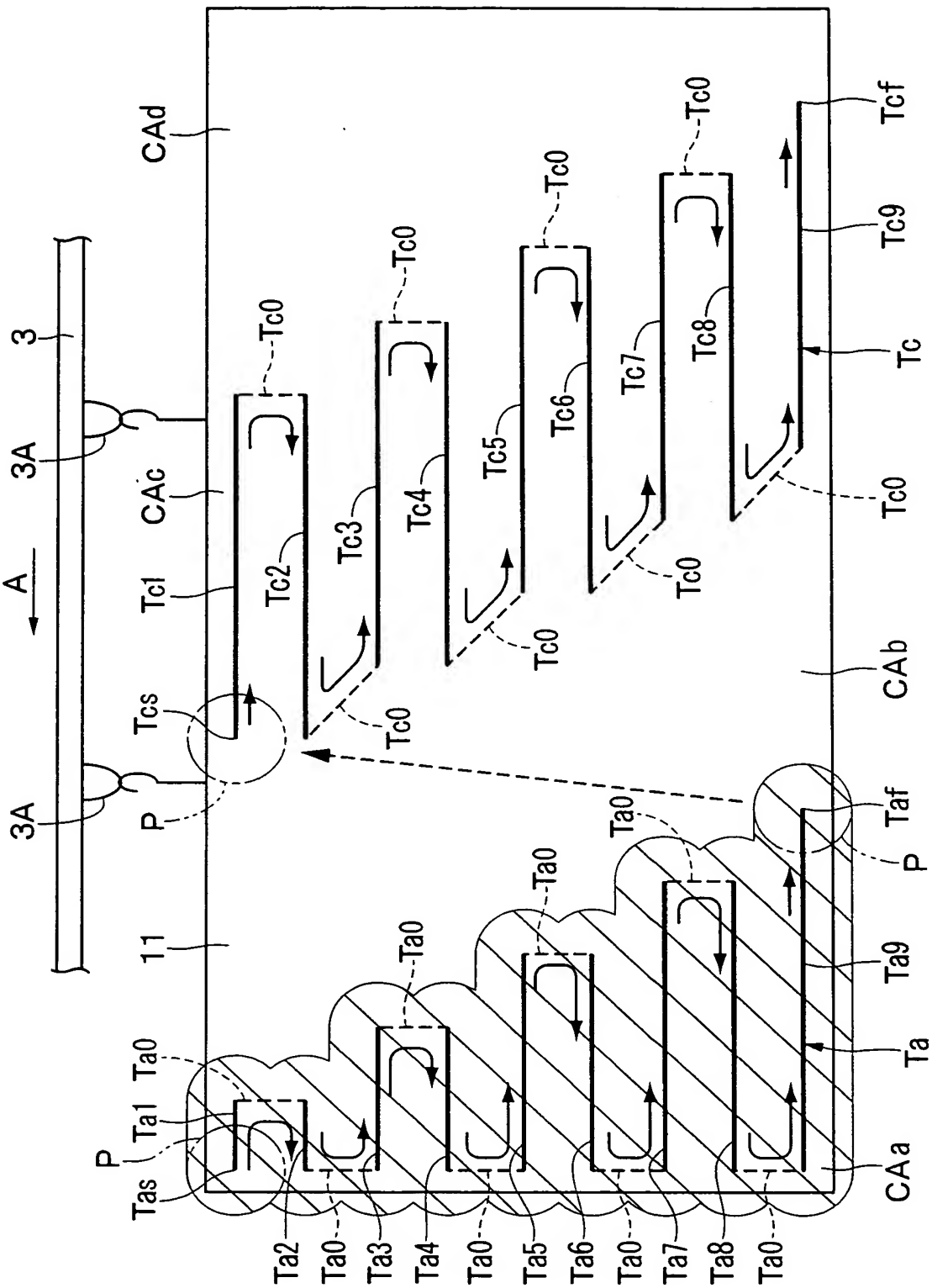

CAd
3
3A
A
CAc
Tc1
Tc2
Tc3
Tc4
Tc5
Tc6
Tc7
Tc8
Tc9
Tcf
Tc
Tc0
Tcs
P
3A
11
CAb
Taf
Ta9
Ta
Ta0
Ta1
Tas
P
CAa
Ta2
Ta3
Ta4
Ta5
Ta6
Ta7
Ta8

Fig.4

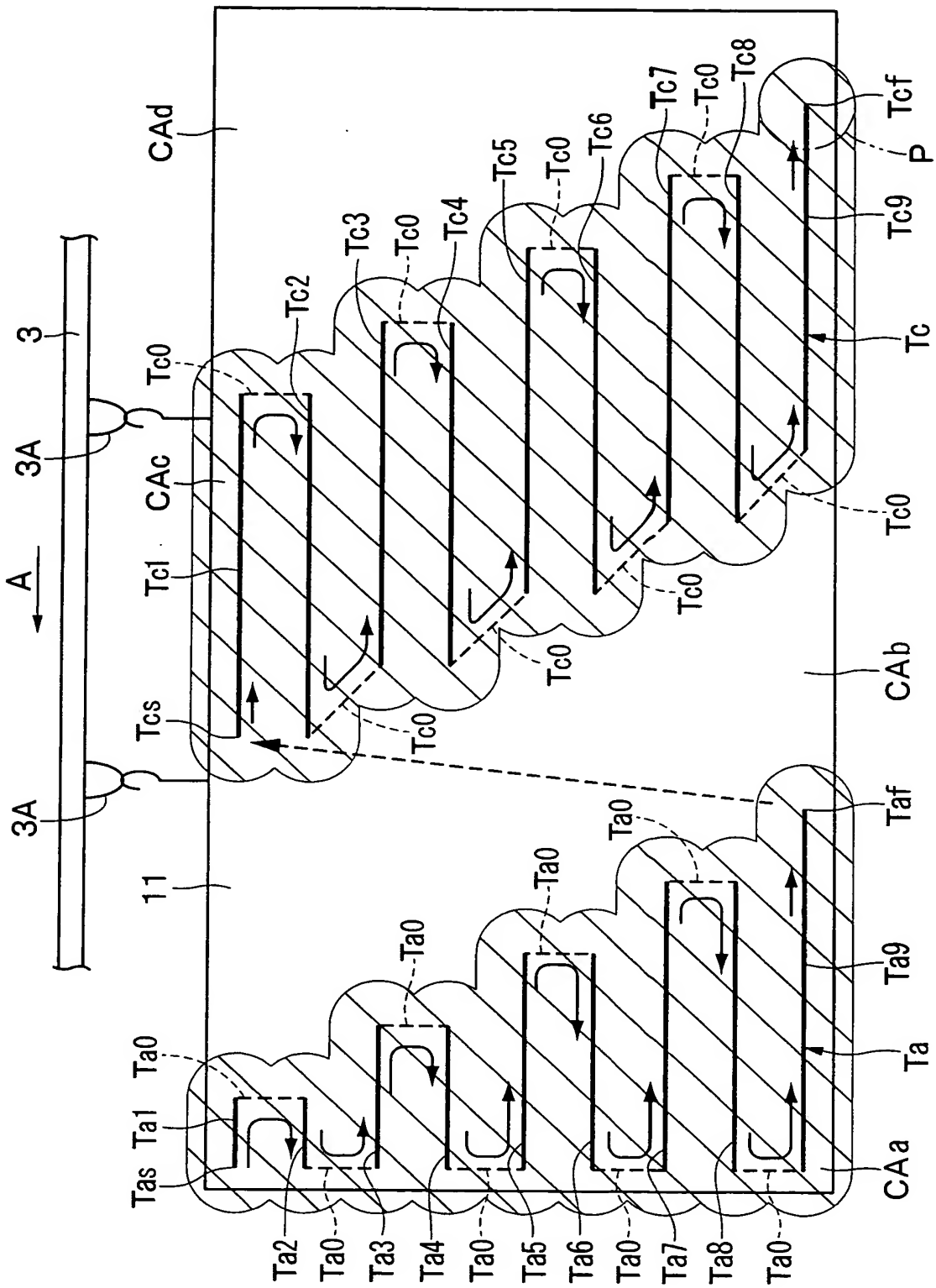

CAd
3
3A
A
CAc
Tc1
Tcs
3A
11
Tc0
Tc2
Tc3
Tc0
Tc4
Tc5
Tc0
Tc6
Tc7
Tc0
Tc8
Tcf
P
Tc9
Tc
Tc0
Tc0
Tc0
Tc0
CAb
Taf
Ta0
Ta0
Ta0
Ta0
Ta9
Ta
Ta0
Ta1
Tas
CAa
Ta2
Ta0
Ta3
Ta4
Ta0
Ta5
Ta6
Ta0
Ta7
Ta8
Ta0

Fig.5

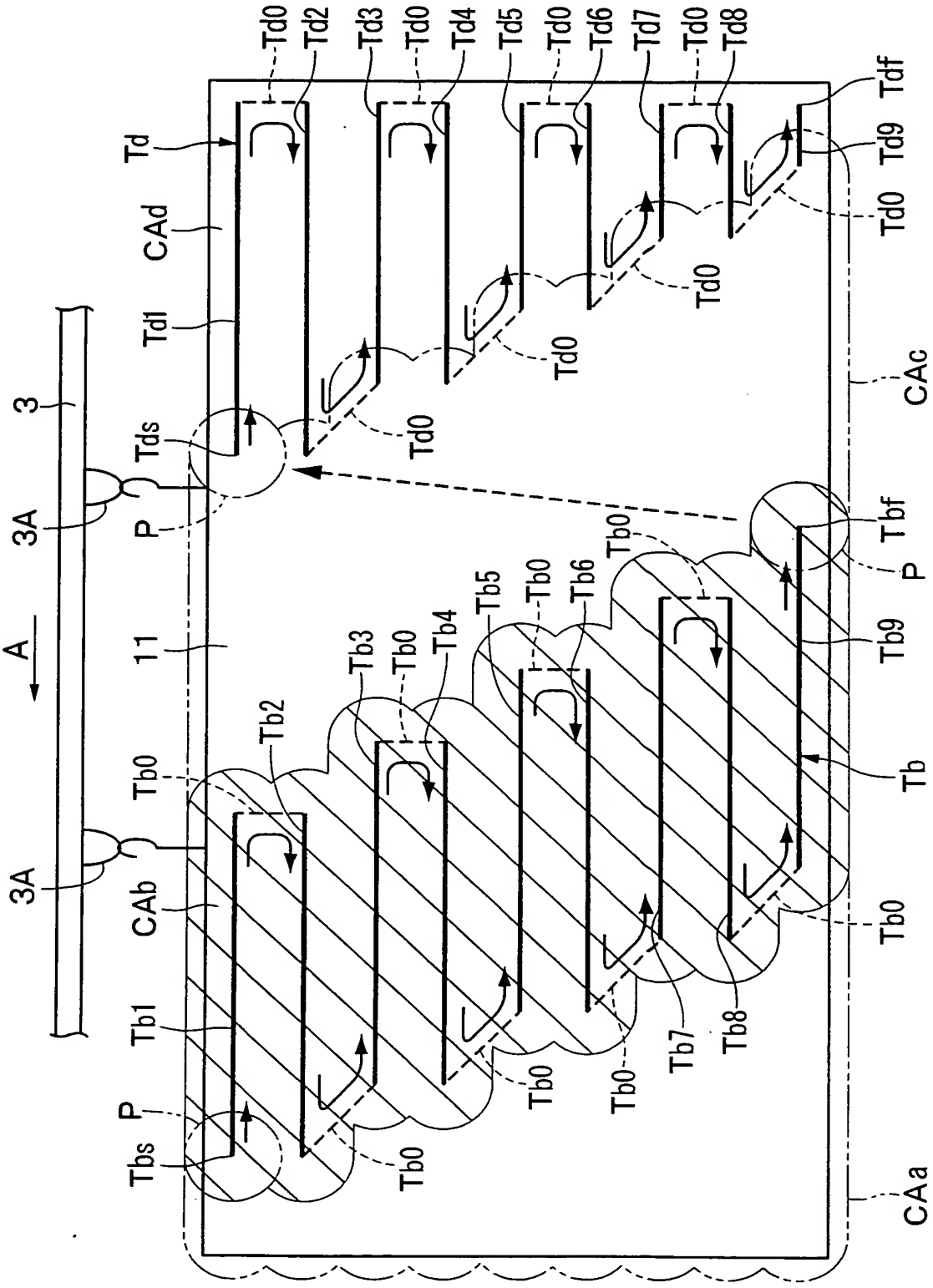

Td0
Td2
Td3
Td0
Td4
Td5
Td0
Td6
Td7
Td0
Td8
Tdf
Td9
Td
CAd
Td1
3
Tds
3A
P
A
11
Tb0
Tb2
Tb3
Tb0
Tb4
Tb5
Tb0
Tb6
Tb9
Tbf
Tb
3A
CAb
Tb1
P
Tbs
Tb7
Tb8
CAc
CAa

Fig.6

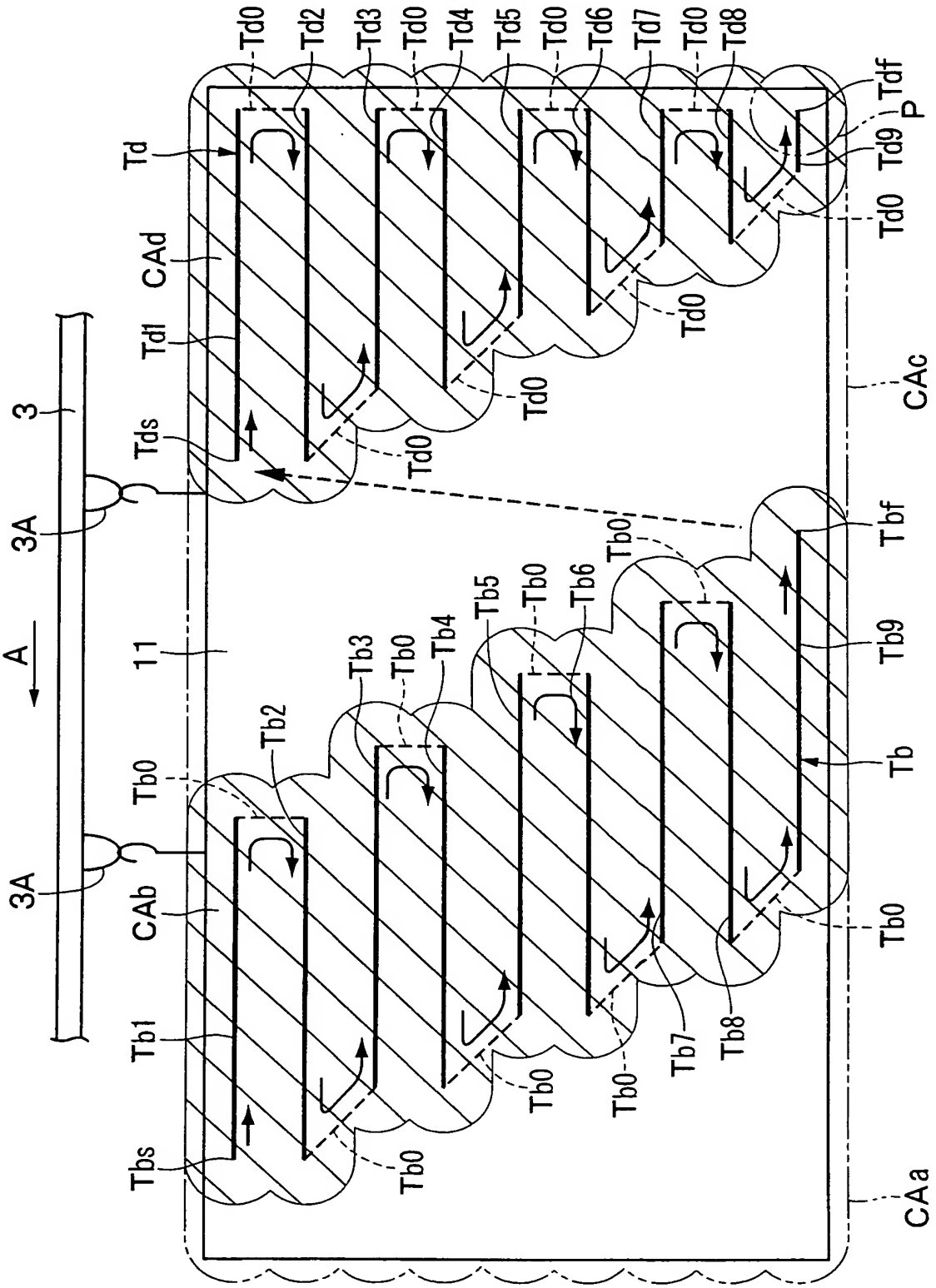

Td0
Td2
Td3
Td0
Td4
Td5
Td0
Td6
Td7
Td0
Td8
Tdf
P
Td9
Td
CAd
Td1
Tds
3
3A
A
11
Tb0
Tbf
Tb5
Tb6
Tb9
Tb3
Tb4
Tb2
Tb
3A
CAb
Tb1
Tbs
Tb7
Tb8
CAc
CAa

Fig. 7

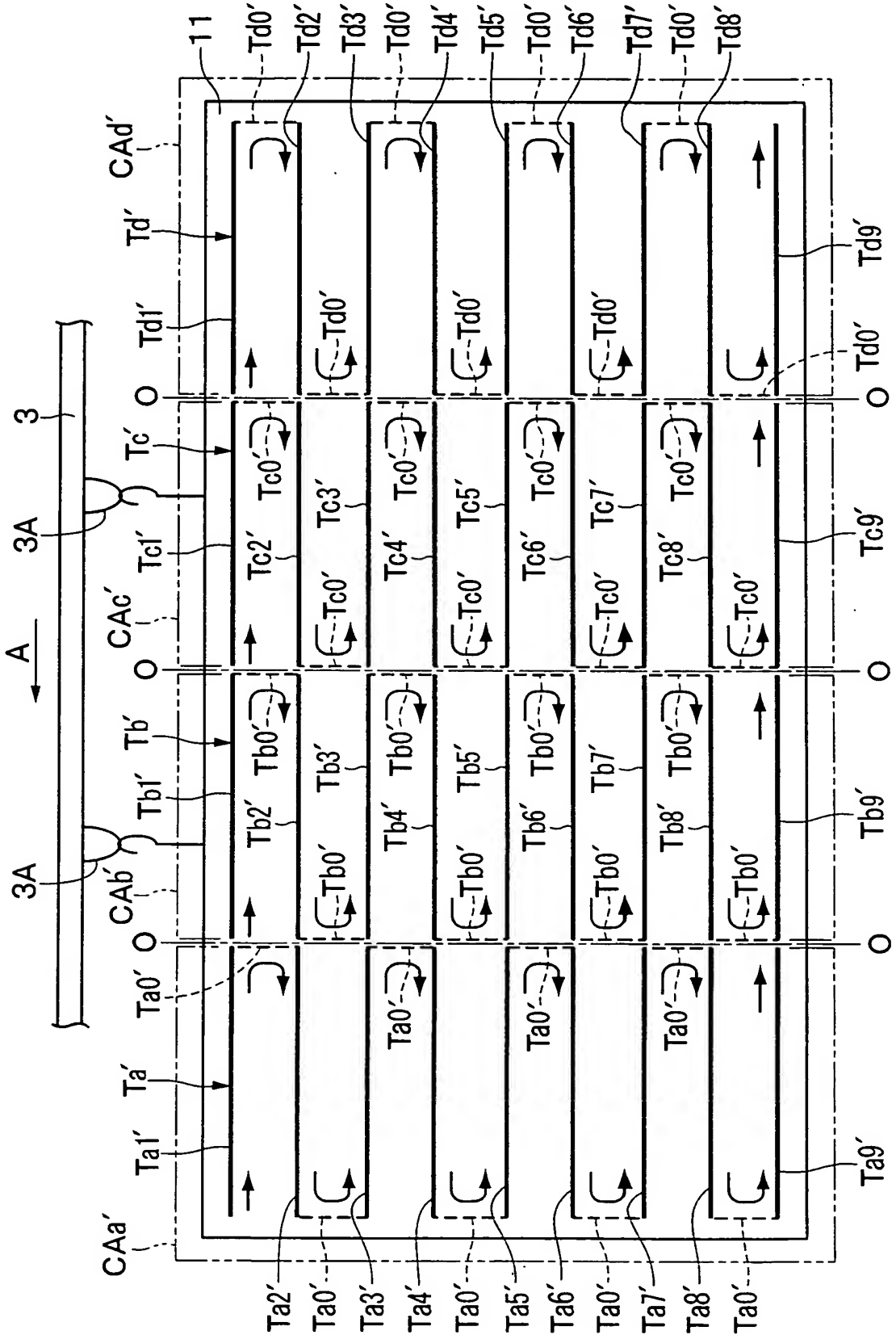

11
Td0′
Td2′
Td3′
Td0′
Td4′
Td5′
Td0′
Td6′
Td7′
Td0′
Td8′
CAd′
Td′
Td1′
Td9′
Td0′
O
3
Tc′
3A
Tc0′
Tc3′
Tc5′
Tc7′
Tc9′
Tc1′
Tc2′
Tc4′
Tc6′
Tc8′
CAc′
A
Tb′
Tb0′
Tb3′
Tb5′
Tb7′
Tb9′
Tb1′
Tb2′
Tb4′
Tb6′
Tb8′
CAb′
Ta′
Ta0′
Ta9′
Ta1′
CAa′
Ta2′
Ta3′
Ta4′
Ta5′
Ta6′
Ta7′
Ta8′

Fig.8

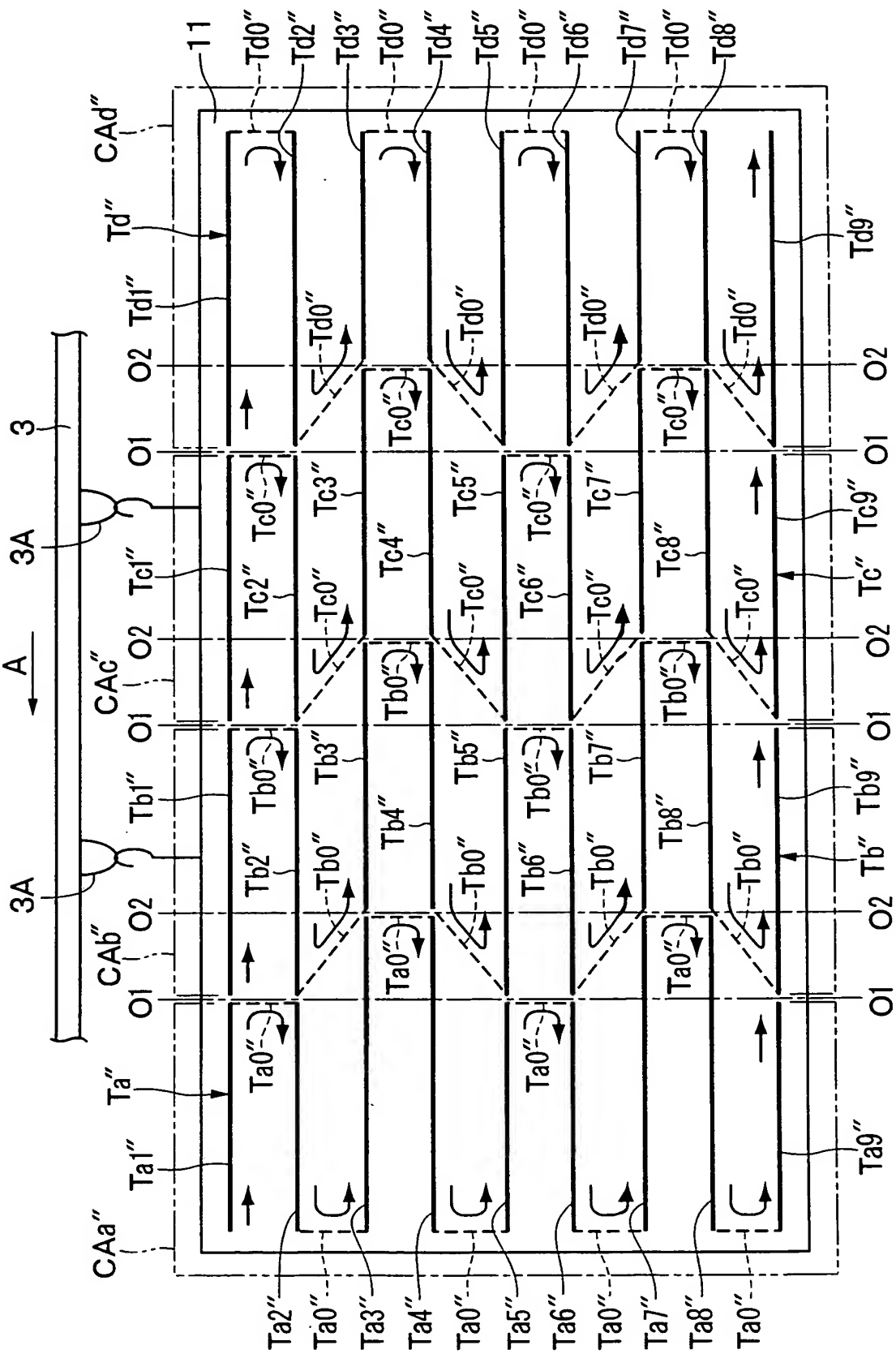

11
3
3A
3A
A
CAa″
CAb″
CAc″
CAd″
Ta″
Tb″
Tc″
Td″
Ta0″
Ta1″
Ta2″
Ta3″
Ta4″
Ta5″
Ta6″
Ta7″
Ta8″
Ta9″
Tb0″
Tb1″
Tb2″
Tb3″
Tb4″
Tb5″
Tb6″
Tb7″
Tb8″
Tb9″
Tc0″
Tc1″
Tc2″
Tc3″
Tc4″
Tc5″
Tc6″
Tc7″
Tc8″
Tc9″
Td0″
Td1″
Td2″
Td3″
Td4″
Td5″
Td6″
Td7″
Td8″
Td9″
O1
O2

Fig.9

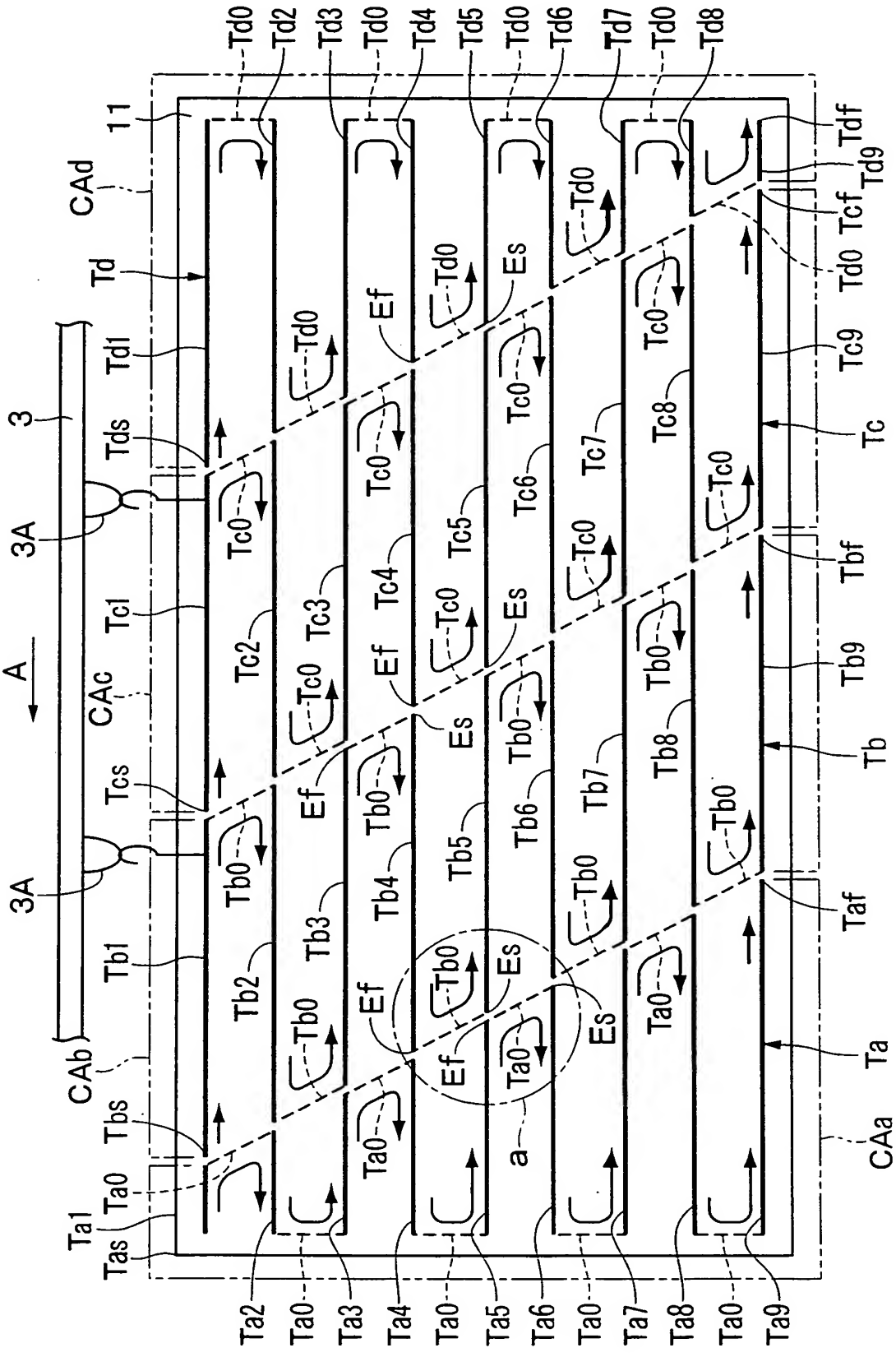

Td0
Td2
Td3
Td0
Td4
Td5
Td0
Td6
Td7
Td0
Td8
11
CAd
Td
Tdf
Td9
Tcf
Td0
Tc9
Tc
Tbf
Tb9
Tb
Taf
Ta
CAa
Td1
Tds
3
3A
Tc1
CAc
Tcs
Tb1
CAb
Tbs
Ta0
Ta1
Tas
Ta2
Ta3
Ta4
Ta5
Ta6
Ta7
Ta8
Ta9
A
a
Ef
Es
Tc0
Tb0
Ta0

Fig.10

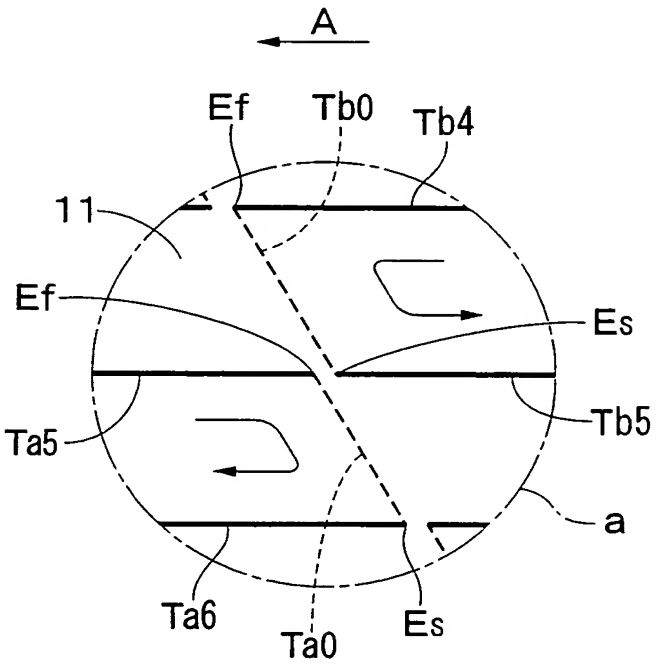


Fig. 11

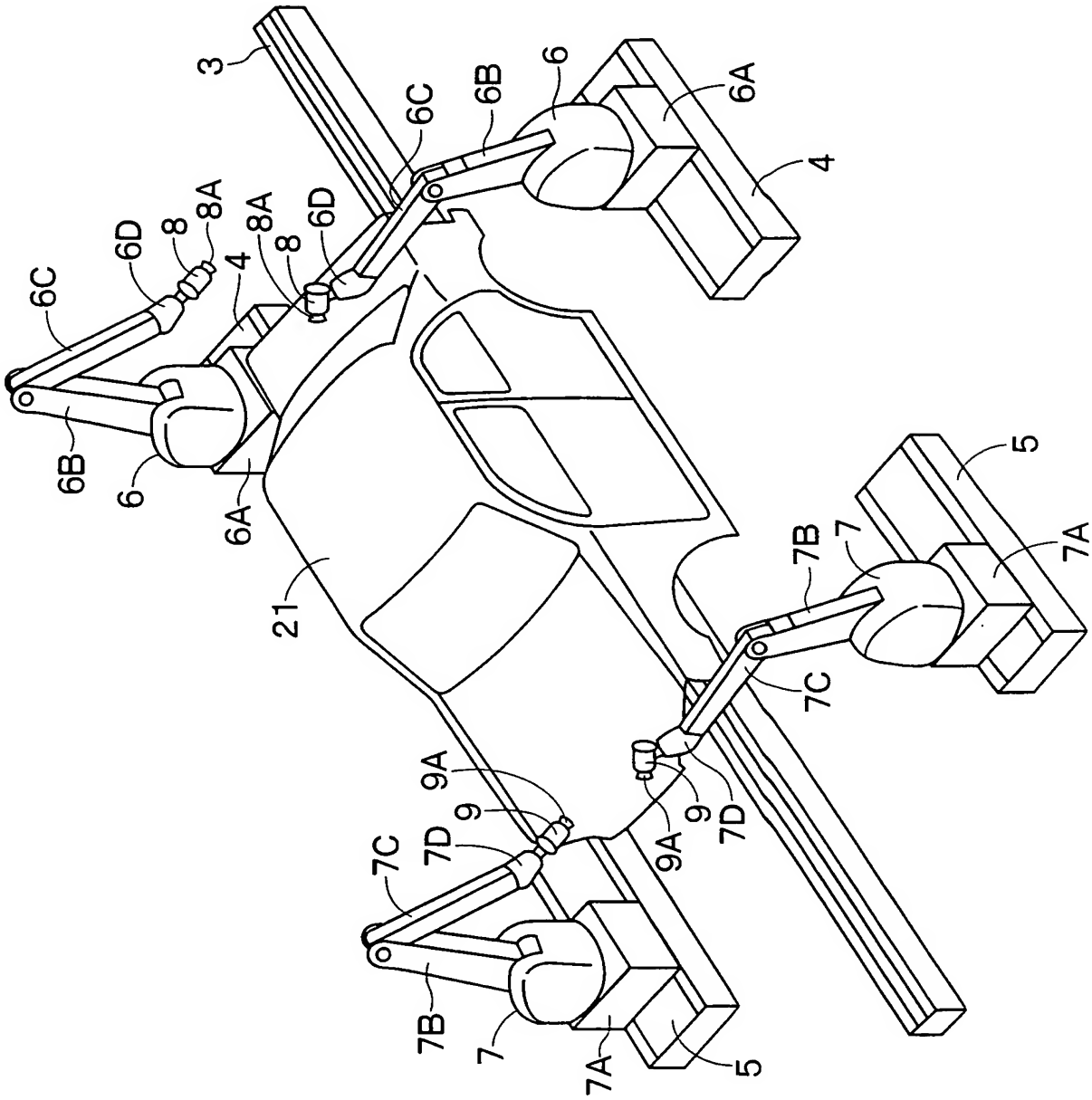
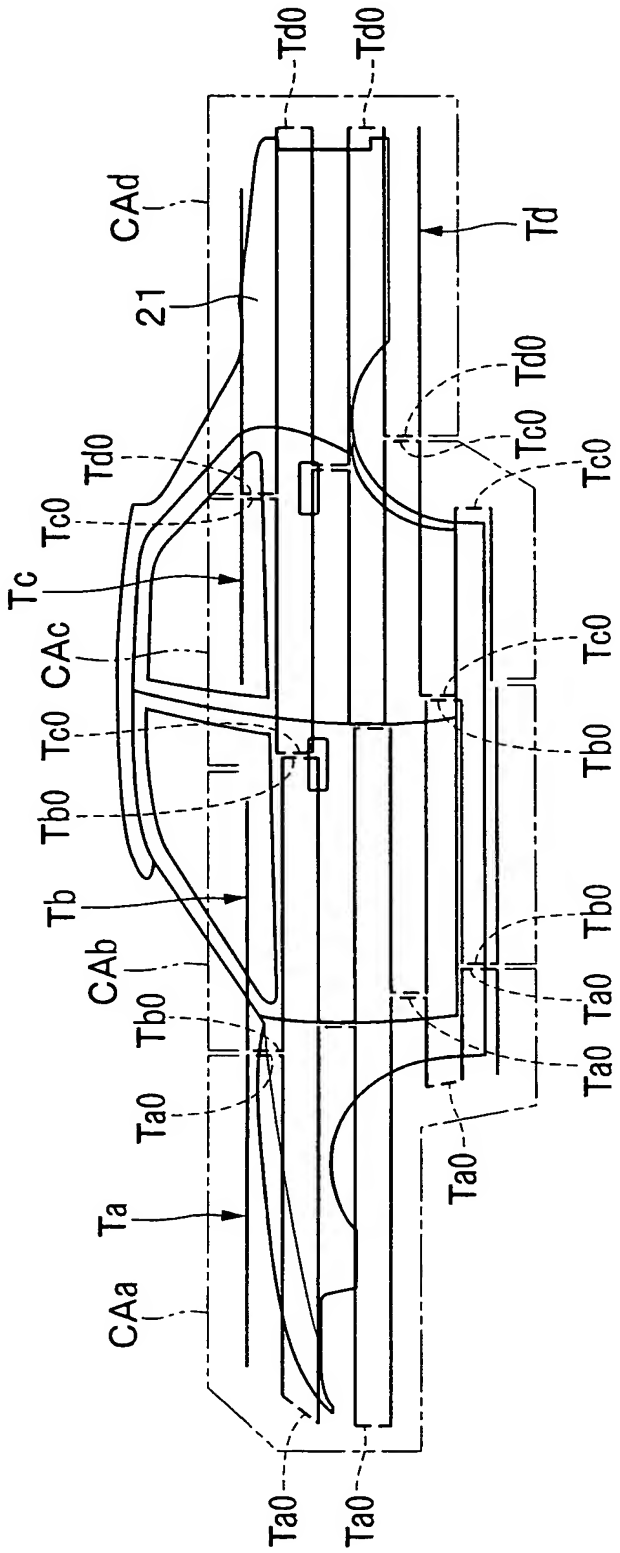

3
6C
6B
6
6A
4
6D
8
8A
8A
8
6D
4
6C
6B
6
6A
21
5
7B
7
7A
7C
9A
9
7D
9
9A
7D
7C
7B
7
7A
5

Fig.12


Td0
Td0
CAd
Td
21
Td0
Tc0
Tc0
Td0
Tc0
Tc
CAc
Tc0
Tc0
Tb0
Tb0
Tb
CAb
Tb0
Ta0
Ta0
Ta0
Ta
CAa
Ta0
Ta0